



**The Gates Corporation**  
1551 Wewatta Street  
Denver, CO 80202

**RECEIVED  
CENTRAL FAX CENTER**

JAN 22 2004

**F A X C O V E R S H E E T**

**OFFICIAL**

Date: 1/22/2004 Time: 9:27 AM  
TO: Examiner Hoang FAX: 703-872-9306  
From: Jeffrey Thurnau Phone: (303) 744-4743  
Patent Counsel Fax: (303) 744-4653

**Number of pages including cover sheet: 4**

SERIAL NO.: 10/040,317  
DOCKET NO.: B01-068A  
FILED: OCTOBER 25, 2001

**TITLE: BELT DRIVE SYSTEM WITH AUTOMATIC BELT TENSION CONTROL**

**RESPONSE TO: COMMUNICATION MAILED OCTOBER 29, 2003**

**ATTACHMENTS INCLUDE: ARGUMENT – PAGES 1 THRU 3**

**PLEASE NOTE:** The information contained in this facsimile is privileged and confidential and is intended only for the use of the individual named above and others who have been specifically authorized to receive it. If the one receiving it is not the intended recipient, you are hereby notified that any dissemination, distribution or copy of this communication is strictly prohibited. Thank you.

DOCKET NO. B01-068A

I hereby certify that this correspondence is being transmitted  
 by fax to number 703-872-9306 the Commissioner for Patents,  
 Alexandria, VA 22313 on January 22, 2004 For: Gates Corporation  
 Signature Steve Teller Date signed: January 22, 2004

RECEIVED  
CENTRAL FAX CENTER

JAN 22 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Examiner: Hoang, Johnny H
Serkh, Alexander et al.	)	
Serial No. 10/040,317	)	Group Art Unit: 3747
Filed: 10/25/01	)	
Title: Belt Drive System with	)	<b>ARGUMENT</b>
Automatic Belt Tension Control	)	

Via Fax. 703-872-9306  
 Commissioner for Patents  
 Alexandria, VA 22313

Dear Examiner Hoang:

This argument is responsive to the final office action mailed 10/29/03. Please enter this argument in the subject case.

Amendment

## I. In the Specification.

1. None.

## II. In the Drawings.

1. None.

## III. In the Claims.

1. None.

## VI. Remarks.

The Examiner entered the following rejections.

1. Claims 1-4, 8-12, and 14-39 are rejected under 35 USC 102(b) as being anticipated by Hayakawa et al (US. 4,478,595).

As to claims 1, 8, 10, 17, 21, 29 the cited reference does not recite every limitation arranged as in the claim. Hayakawa comprises an actuator (1) that applies a tensioning force to a belt. However, Hayakawa does not directly sense a belt load parameter as claimed. Instead, a CPU calculates an actual tensioning force T in relation to a calculated bearing load H. The actual bearing load H is calculated by the CPU based on a known spring constant K, a piston displacement X and a known initial spring strain X<sub>0</sub>. See col. 5, lines 52-68 and col. 7, lines 43-50. Measurement of X does not constitute sensing a belt

OFFICIAL

#5  
1-28-04